



2/3.

VOL. 22.

DIARY

OF

Hymenoptera, other insects, plants, &c.,
seen or taken by A.W. Stelfox.

VOL. 22.

From 26th July 1954 till 2nd October 1954.

26th July 1954. A dull cold forenoon with E breeze turning to SW & rain about 1.30 PM. Evening & I left home at 10.30 AM & went to Ruffley above after buying the note book (2/5) & went up 'The Birch' & swept till dark (10 PM) but a moon & cloud on a light breeze & no wind stayed for E to W. & stopped all collecting. Took the following in 'The Birch' before lunch & put in note after.

[113 + 3 mounted & these labelled on 1st Dec. 1963 or before this]

- Vespa vulgaris* ✓ 1 ♀ like
- Leucospis* ♂ ♂: none mtd.
- Andrena* ♂ ♂: none mtd.
- Phaenocarpa* ♂ ♂: none mtd.
- Leptothorax acervorum* ✓
- Bombus terrestris* ♂ ♂: not mtd.
- Cryptus* ♂ ♂: 1 mtd. = *Hemiteles apertus* ♂, ant. 21. *H. gracilis*? ♀, ant. 18.
- Pezomachus micram* First ♀, ant. 17. *Pez.* small, wingless, ♂, ant. 19 = *Phygadeuon* ♂, ant. 19.
- Phygadeuon* ♂, ant. 23 = *Phygadeuon* ♂, ant. 19.
- Aptesis graviventris*, brachypterous ♀, ant. 19. (not in coll. {also a ♂, very like the ♀ *graviventris* but wings are more than 2 & tergite 2 has microscopical punctures all over! AWS. 2.12.1963. Put in coll. with ♀.})
- Phygadeuon* ♂, ant. 22. ♂, ant. 19. ♀, ant. 19.
- Leucospis bellator* ♀, ant. 40.
- Perilissus lutescens* ♀, ant. 34. (found sp. ♂, ant. 35+ (broken))
- Hypocentrus albipes* ♂, ant. 19.

26th July 1954. The Birch, Ruffley, Essex.

- Phaenocarpa* ♂, ant. 22.
- Stenobothrus* ♀ = *St. olivaceus* m. 5 ♀♀, ant. all 18. *St. brevis* m. ♀, ant. 21. (also 1 ♀, ant. 17.)
- St. merula* ♀, ant. 26.
- St. vitripennis*? ♂, ant. 25. (not in coll.)
- Pezomachus* ♂, ant. 28 =
- Phygadeuon* ♂: small ♂, ant. 27 & larger ♂, ant. 34 = spp.?
- Leptothorax* ♂ ♂: not mtd.
- Phaenocarpa* ♂ = *Leptothorax oligomerus* ♀, ant. 18.
- Phaenocarpa* ♂, ant. 22. *P.* ♂, larger ♂, ant. 25.
- Proctos* ♂, ant. 21. *Aphidius* ♂ ♂: 2 ♀♀ ant. 20 & 21.
- Bracon* ♀, ant. 26, near *hispidus* ♂, but tergite 2 strongly marked at apex & reddish laterally at base. (in coll.)
- Rogas* ♂ ♂: not mtd. *Bracon* ♂, ant. 24, cf. *fulvipes* var. Put in coll. (sent to Prof. Ingham, DO. 25.7.1960.)
- Phaenocarpa* ♂ ♂: not mtd.
- Phaenocarpa* ♂ ♂: not mtd.
- Agathis crassifemur* ♂ ♂, ant. 30, legs very stout, hind femur black, tibiae & long & body, areolet & very small, winging in left wing, 2nd.
- Meteorus fragilis* ♂, ant. 34. *M. affinis* ♂, ant. 27. (in coll.)
- Phaenocarpa* ♂ ♂: ant. 25 & 26. *Euphorus pallipes* ♀, ant. 22.
- Phaenocarpa* ♂ ♂: not mtd.
- Phaenocarpa* ♂ ♂: not mtd.
- Phaenocarpa* ♂ ♂: not mtd.
- B. maculipes* ♀, ant. 20; also a brachypterous ♂, with virtually red hind femora, ant. 21, which seems to be the same species?
- Calyptrus tibialis* ♀, ant. 29+ (broken!)

D. una 2♂♂, ant. 36-37. D. adducta ♂, ant. 30; ♀, ant. 29. D. americana? ♀, ant. 34.
D. aphantia? 4♂♂, ant. 24, 25, 27, 27; 1♀, ant. 25. D. pennsylvanica ♂, ant. 26, ♀, ant. 24.
D. elegantula ♀, ant. (28?). D. discolor, 2♀♀, ant. X & 27, tergite 2 bright red as usual in Scotland.
D. n. sp. near discolor, ♂ (terminal), ant. 21; ♀, ant. 22, but don't quite agree? Put in coll.
D. (G.) affinis ♀, ant. 22.
Coelinius n. sp. Sligo? 2♂♂, ant. 42 & 44. Probably this sp.

Sheet 2 = Diploma 1 =

25th July 1964. A fine morning & forenoon, hazy & clear, with some very hot sunbursts; but a sudden rain poured about 2.30 PM. began a cold wind & heavy shower till 6 PM, then fine again but cold.

Drive to Loughmuckish & the Carrillys where collected along road on N side of Carrilly for half a mile from 10.30 AM till noon (grass, low wet to swamp but mostly heather, trees (Sycamore & Hazel) & a little pine, hedges, etc. possibly = 1. Left Loughmuckish at 12.20 & drove back to Carrilly - having turned at highest point of road & dropped into the Falls of Dochart at 1.30. Then walked to the Carrillys on road to Carrilly pier, spent an hour sweeping around the pond in field S. of Carrilly = 2. Unfortunately then took a rest & before we realised it the rain poured & heavy rain descended from N & wet everything over more, but managed to sweep under the Carrillys & in ditch south of same from 4.30 till 5.15 = 3.

28.7.1964, cont. N. side of Carrilly (roadside) [40 insects mtd. & there labelled on 8.12.1969.]

Epitomera parvus Thomson, ant. 23. *Phaenogenes osculator* ♂, ant. 27.
Syrphoctonus ? none mtd.

Gen. et sp. ? ♂, ant. 37, no areolet, red abd. =
Mesoleptus rylaticus Wold. ? ♂, ant. 39.

Phrudus ? ♂, ant. 24.
 Gen. et sp. ? = *Phrudus monilicornis* ♂, ant. 20.
Phrudus ? none mtd.

Mesochorus { *pulchellus* var. ? with dent stigma, ♂, ant. 40. Put in coll.

Phrudus ? ♂, ant. 24. = *Miomemus aquisgranensis* 2 ♂♂, ant. both 17, white }
 my first ♂♂ have 16 to 20 segments. ! AWS.

Helictes pilicornis ♂, ant. 27. *Helictes* small ♂, ant. 20 =
Helictes ♂, ant. 26.
Phaenogenes sp. large ♂, ant. 25. *Phaenogenes* sp. small ♂, ant. 20.

Rogas complex; ♂, ant. 42.
Apanteles = *Ap.* ? ♂. *Ap. circumscripta* ? ♀.

Acromyza *subfasciata* ♂.
Phaenogenes *dimorpha* ? ♂, ant. 21. *Phaenogenes* *lucida* ♂, not mtd.

C. p. (C.) rusticus ♂, ant. 26.
Alysia *serena*, a fine ♀, ant. 39 & nearly as long as forewing!
 Put in coll.

28. 7. 4 (1), ant. *Luctus* head, ant.
Macrocratus *infrapallidus* *infrapallidus*, ant. 24.
Capitula C = *A. alba* G. & G. ? ^{put in coll.} ♀, ant. 21; nomenclature does not quite agree with *alba*.
A. alba, a small ♂?, ant. 27. *A. rufifemur*? ♀, ant. 20.
A. fuscescens??, a larger ♀, ant. 18 & a very small ♀, ant. 16.
A. tibialis? a very small ♀, ant. 15.
Dacnusa areolaris group 14: only 2 mtd. = { *D. areolaris*, a large ♀?, ant. 22.
 & a very small ♀ (damaged!) }
D. petiolata, a small ♂, with only 42 seg. ant.; teeth of mandible v. blunt.
D. melanocera ♀, ant. 30: a magnificently formed example!
D. hera?? ant. bitten off! ♂, which I think can only be a very small ex. of this species!
D. areolaris ♂; not mtd.
P. ... none mtd.
T. ... = *Troboris* Hal MS., ant. 11.
Spilomacrus *sp.* ♂, ant. 22 (might be *granarius* perhaps?)
 { = puparium of }
 { *Dysacris* *planiceps* }
P. ... 3 mtd. only = *Microplitis flavipes* ♂ & ♀. Put in coll. ^{Nixon agrees!}
Spilomacrus sp. no 6 mtd. ♀ Put in coll.
Exallonyx microcerus ♀
 { none mtd. }
Lygus ...

28. 7. 4 (1), ant. *Luctus* (head), ant.
 Taken at 2. 2. 0. 1. 1. 8. 20. [30 mtd. & then labelled] ^{on 12 Dec. 1963.}
Antennae ... not mtd.
Phaenogen? *sp.* ♂, ant. 30. *Banchus* *locutus* ♂, ant. 30, tergite 2-4(5) very bright red!
Platylabus dolosus ♀, ant. 33; put in coll.
Dacnusa?? 2 ♂♂, yellow face, ♂, ant. both 28; went for nothing!
Phaenogen? small ♂, ant. 27, but sp.?
Lygus ... only 2 mtd. = *Hemiteles* sp. small ♂, ant. 21.
Atractodes sp. small ♂, ant. 21.
Glyptotendipes ♀; not mtd.
Pantorchestia xanthostomus ♂, ant. 32.
Oteniscus red sp. ♂, ant. 30. *Microplitis* *sp.* ^{?? in coll.} *erythropus* K. ♀ ant. 52.
Polyblastus sp. ♂, ant. 28, v. broad abd., red, black apex.
P. ... ant. 22.
 Taken at ...
Lygus ... 7: none mtd. *Zootropus* sp. ♂, ant. 21, banded abdomen.
Homocidus *sunderalli* ♀, ant. 25. ^{put in coll.}
Lygus ...
Lygus ... ♂, ant. 33, small! =
Helictes sp. ♂, ant. 28.

28.7.54 (2) Villiers, M.P. cont.

Pimpla irregularis 2♀♀, 1 mtd. One mtd. on back, ant. 49.*Pimpla candida* ♀, ant. 22. *Chelonus pedator* ♂, ant. 24, ^{- put in coll.} dark legs.*Apanteles* (s. 22.7.54) : 2 only mtd. = *A. infimus* Hal 15. 1♀.*Microplitis* *granulatus* ♀, ant. 25. *Microplitis globata* ♀*Pimpla* sp. *pubescens* ♂ : not mtd.*Chelonus* sp. *thoracicus* ♂, ant. 18 : not mtd.*Aspilota* 3 = 2♀♀, ant. both 18 = 2 sp.?*Chelonus* ♂, ant. 41, black cuticular head, narrow stigma & wings, long radial ^{areolet} Sp. n. ? =*Pimpla* *pubescens* group 4*Chelonus* *flavipes* ♂*Pimpla* *pubescens* 2 singles, very slender; mtd. = ^{Diapriid} *Leucospa* in coll. Sp. n. ♂thinks other mtd. = a *Belystid*: *Pantoclis* ?? ♂*Chelonus* 6 : none mtd.*Aspilota* *lucida* ⁹, same blacker than first sp. seen.*Leptocryptus* : not mtd.

28.7.54 cont. Villiers, M.P. cont. [5♀ mtd. from 3 & there labelled 17.12.1963!]

Taken at 3. Villiers 2 singles, 1 mtd. = same as above

Aspilota *pubescens* ♂ : not mtd.*Chelonus* ♂ : not mtd. *Platylabus* *iridipennis* ♂, ant. 22.*Aspilota* 2 : 2 mtd. = *Hemiteles* *obscurus* Thoms. ♀, ant. 22 or sp. near same!*Phygadeuon* ? sp. small ♂, ant. 19.*Stenobothrus* *ventralis* ♀, very richly coloured, ant. 24.*St. (Microctonus)* *pusillus* ? ♀, ant. 19; also a ♂, ant. 19: both put in coll. ! ^{in coll.} *Theridion* !*St. (n.)* sp. ♀, ant. 21, short head! *St. (n.)* sp. ♀, ant. 21, long head!*Aspilota* *pubescens* 2 = { *Sagittaria* *annulata* ♀, ant. 30*Aspilota* ♂ : 6 mtd. = *Helictes* sp. ♀, ant. 20. *Apanteles* ♂, ant. 18*Plectiscus* sp. small ♀, ant. 22; also a ♂, ant. 22, but ? same sp.*P.* sp. large ♀, ant. 22. ♂ sp. ♂, ant. 20.*Aspilota* *pubescens* ♂ : not mtd. [not seen when labelling! AWS.]*Aspilota* *pubescens* ♂, ant. 28.*Blacus* *ruficornis* 2 { mtd. is a small dark ♂, ant. 21 } *Stenobothrus* ♂, ant. 25, & 8 others.= *B. cf. maculipes* ? 7 ♂♂, ant. 20(1), 21(6), & 1 ♀, ant. 21.*Pygostolus* *sticticus* ♀, ant. 33. *Pygostolus* *obscurus* ♂, ant. 35.*Opius* *eximius* 2 ♂♂, ant. both 33. *O. grandis* ♂, ant. 4-1

1 one other : not mtd.

11/15

The *Silene acaulis* & *Arctostaphylos* & *Engelmann*
 on the dark, bare rock surface, there were less
 than 100 at all. Then met a botanist named Garrett
 (Wife of Southampton) & went to NW side of S
 cliff to show him *Yucca macrocarpa* (= *fruticosa*)
 & actually found one plant with its flower still in
 good shape. Then went up to summit, but could
 look at any *Silene* ^{only common! A.W.S. 1963} at the crater but no
 sign of flowers. ^{bulbils in 1963!} Left crater at 5:10 & down at
 Laramie Hotel at 6:40 PM. On 27th when in the
 car with the Minn. Kelley & felt certain that
 found the place of San Francisco man in 1947 or the
 day Mr. & Mrs. Holden & H. E. Green were with us &
 which I have thought in vain since, but today could
 not resist it & concluded so windy & cold I could
 not begin to search for properly & on 27th did not
 look but as attention to it. So far as I can be
 sure it was just N. of the big ring where the topography
 is of it seen as one comes up the canyon

11/16

20th July 1954. A similar day to yesterday, but
 again no rain & a very afternoon at Laramie
 though the rain clouds were in the air 27th.
 Davis & I took 10:30 AM bus from Laramie to
 Glenfield & went straight up to the peak &
 on up the same creek in on 26th July & on way
 over, as follows:

- 1 = lower part of the trail from the peak to the
 main road crossing: 11:30 till 1:00 PM
- 2 = Birch glade where had lunch on 26th & today;
 but affected by ^{severe} gale of wind today, 1:30 till 2:00 PM
- 3 = From where road crosses at top of station 1 to foot
 bridge to right bank of gorge: 2:00 till 3:00 PM
- 4 = Right bank (by path) for 1/4 mile above foot bridge: 3:00 till 3:20 PM

[93 mtd. from 10 these
 labelled 20.12.1963!]

Notes at 1. *Crabro anxius*, 2♀♀.
 Ants. *Myrmica* regarding *Myrmica* from "mount"?
 or *Leptothorax* common. *Polyergus barbatellus* ✓
Leptothorax in 20. The very small *Myrmica* was for *Myrmica*
 common, *Stenobothrus* 2♀♀, *Leptothorax* 1♂.
 9 kept & mounted = *Leptothorax graveolens*, 1 small ♀, ant. 17; larger ♀, ant. 19.
 both in coll.

30.7.1911 cont. The Bank, Rye, Sussex.

Homalotus cf. gracilis 4♀♀, ant. 19, 20, 21, 22, 21. H. sp. ♀, ant. 17.

Pezomachus sp. ♂, ant. 22.

Amphiprosopus 2 ♂♂, ant. 21, 22. *not mtd.*

Monoblastus chrysopus (ant. 4. var.)? 2♂♂, ant. both 37, also a ♀, ant. 37. *not mtd.*

Theridion viduus ♂, ant. 30. *in coll.*

Homocidus ruficornis 6 ♂♂. *Homocidus* sp. ♂, ant. 21. *not mtd.*

Stenomacrus clavicornis 4♀♀, ant. all 18. *Stenomacrus* sp. ♀, ant. 25.

Phrudus monilicornis ♂.

Blaptocampus nigricornis ♀, ant. bitten off short, blackish. *in coll.*

Blaptocampus 2♀♀, ant. 26, 26, 28 =

Theridion ♂, ant. 23 =

Plectiscus 11 = *Plectiscus obliquus* ♂, ant. 22, also? a ♀, ant. 21. *Plectiscus* sp. ♀, ant. 23.

Rhycolus clavator ♂, ant. 29. *Rhycolus* sp. ♂, ant. 20, 22, 24; 1♀, ant. 20.

Colastes pubicornis Thoms. ♀, ant. 29. *Colastes* sp. ♀, ant. 29.

Pezomachus nigricaps ♂, ant. 42. *Pezomachus* sp. ♂, ant. 42.

Theridion ruficornis ♂, ant. 21. *Theridion* sp. ♂, ant. 21.

Phrudus 2 ♂♂, ant. 21, 21. *Phrudus* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

30.7.1911 cont. The Bank, Rye, Sussex.

Homalotus cf. gracilis 4♀♀, ant. 19, 20, 21, 22, 21. H. sp. ♀, ant. 17.

Pezomachus sp. ♂, ant. 22.

Amphiprosopus 2 ♂♂, ant. 21, 22. *not mtd.*

Monoblastus chrysopus (ant. 4. var.)? 2♂♂, ant. both 37, also a ♀, ant. 37. *not mtd.*

Theridion viduus ♂, ant. 30. *in coll.*

Homocidus ruficornis 6 ♂♂. *Homocidus* sp. ♂, ant. 21. *not mtd.*

Stenomacrus clavicornis 4♀♀, ant. all 18. *Stenomacrus* sp. ♀, ant. 25.

Phrudus monilicornis ♂.

Blaptocampus nigricornis ♀, ant. bitten off short, blackish. *in coll.*

Blaptocampus 2♀♀, ant. 26, 26, 28 =

Theridion ♂, ant. 23 =

Plectiscus 11 = *Plectiscus obliquus* ♂, ant. 22, also? a ♀, ant. 21. *Plectiscus* sp. ♀, ant. 23.

Rhycolus clavator ♂, ant. 29. *Rhycolus* sp. ♂, ant. 20, 22, 24; 1♀, ant. 20.

Colastes pubicornis Thoms. ♀, ant. 29. *Colastes* sp. ♀, ant. 29.

Pezomachus nigricaps ♂, ant. 42. *Pezomachus* sp. ♂, ant. 42.

Theridion ruficornis ♂, ant. 21. *Theridion* sp. ♂, ant. 21.

Phrudus 2 ♂♂, ant. 21, 21. *Phrudus* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

Blaptocampus 2 ♂♂, ant. 21, 21. *Blaptocampus* sp. ♂, ant. 21.

Theridion 2 ♂♂, ant. 21, 21. *Theridion* sp. ♂, ant. 21.

30.7.54

The Bank, Bury

Taken at 3

Antennae of 2; none mtd.

Eggs of 2; none mtd.

Chalcididae 1; not mtd.

Blacus { small ♂, ant. 28?
larger ♂, ant. 35Adelognathus ^{in coll. ant.} brevicornis ♀¹⁴

Blacus maculipes 3 ♂♂, ant. all 21; 2 ♀♀, ant. both 20.

B. longipennis ♀, ant. 17/18, conjoined ±; in coll.

Sigalphus pallidipes? 1 ♂: 7 ♀♀ { I believe all are ref. to pallidipes, but 3 ♀♀ have short antennae, 18, 18, 20-seg, & more curved apical radius. Structure of tergites very variable, as with is columnar. The ♂ has 20-seg. ant. 18, 4 ♀♀ with longer ant. & straight apical part of stigma. Ant. 17, 19, 20, 20.

Orthostigma pumila 2; not mtd. Orthostigma pumila ♀; not mtd.

Orthostigma pumila Nees. 1 ♂, ant. 23; 1 ♀, ant. 22: both fit Nees's desc. well!!

Aspilota crassifemur, very fine ♀, ant. 25. Asp. sp. ♂, with dimple, ant. 23.

A. sordipes? ♀ with bright colour & legs! ant. 19. { Asp. picticornis ♂, ant. 17?
Asp. subripes? ♀, ant. 15.

Dacnusa areolaris 1 ♂, ant. 21. { none mtd.

D. areolaris, v. small ♀, ant. 27. D. sp. ♂? a minute ♂, ant. 28, with v. small mandible which appears to me to be 3-dentate; tergites striate; legs hairy, with apical tuft.

Coelinius "n. sp. Sligo" ♂, ant. 42. Ephialtes 2; not mtd. E. sp. 1 not mtd.

[26 mtd from 2 & these labelled 26.12.1963]

30.7.54 (1954)

Antennae of 1; not mtd.

Pteronotus 23 only, 1 Belytoid ♀ mtd. =

Pteronotus 15; only 2 mtd. = Megastigmus pictus ♀ & ♂

Eggs of 2; not mtd.

Taken at 3

[72 mtd from 3 & these labelled 28.12.1963 at req.]

Antennae of 2 ♂♂ 15; ♀ only mtd. =

Orthostigma pumila 1 ♂, ant. 23; 1 ♀, ant. 22: both fit Nees's desc. well!!

Eggs of 2; none mtd.

Eggs of 1; not mtd.

Eggs of 1; not mtd. = 2 ♂♂, ant. 21 & 22: not mtd.

Pteronotus 24 only, 1 Belytoid ♀ mtd. =

Pteronotus recticauda ♀, larger, ant. 29; ♂, ant. 27 & 28.

P. sp. ♀, smaller, but ant. also 29; ♂, ant. 26: all 5 put into coll. } See notes on these 5 on sheet put into Salween d. AWS. 30.12.1963

Stenomacrus (neurotelus) sp. brevicornis? ♀, ant. 22: in coll.

30.7.42 (13) mtd. The British, abundant. cont.
in part, in C. non mtd.

Proctos = *Acrotlabidus dentifer* ♂, ant. 26.

Proclitus praetor Hal. 3 ♂♂ (small), ant. 23, 26, 26. ^{*apicilipis albipalpis?*} ^{*smaller testis ♂, ant. 20*}

Pediscus communis ♀, ant. 21. ♂ sp.? 2 ♂♂, ant. 19 & 20.

Chalcid 2 mtd. ♂♂: not mtd.

Apanteles vitipennis? ♂: this rather than *lateralis*! *Ap. latus*? ♀.

Chalcid *micropterus* ♀, ant. 24: also a ♂ (not mtd.)

Chalcid 2 mtd. ♂♂: not mtd.

Pygostolus sticticus, ♀, ant. 34. *Chalcid* *laticornis* ♂: not mtd.

Gnaptodon pusillus ♀, ant. 21. *Chalcid* *sp.* ♂: not mtd.

Opicus victor ♂: ant. 32: put in coll.

Chalcid *sp.* ♂: not mtd. *Chalcid* *pusillus* ♀: not mtd.

Chalcid *atra* ♀, ant. 30. *Phaenocarpa livida* ant. 31.

Aspilota littoralis? ♀, ant. 20. *A. atra*? ♀, ant. 22. *A. albescens* ♂, ant. 25. ^{*A. fuscescens?*} ^{*4 ♂♂*} ^{*ant. 23, 24, 25, 26.*}
A. sp.? ♂, ant. 23. *A. nigrescens*? 2 ♂♂, ant. both 20. *A. cranifemur*? ♂, ant. 26.
A. falsifica ♀, ant. 22. *A. divisa* ♀, ant. 18; also a ♂, ant. 23. *A. sciurella*? ^{*large ♂, ant. 28,*} ^{*small ♀, ant. 21.*}
A. tenuior sp. n. ♂, ant. 23. Type! ^{*tergite 1 red*} ^{*ant. + legs*} ^{*very slender!*} *A. sp.*? 2 ♀♀, ant. 19 & 20, tergite 1 red, stout legs.
A. alua? v. large ♂, ant. 22. *A. glabra*? ♀, ant. 25. *A. sp.*? 2 small ♂♂, rugose prop., ant. 21 & X.
A. (Synaldis) sp.? 2 ♂♂, ant. 20 & 22. *Orthostigma curvicauda*? ♀, ant. 20.

30.7.42 (14) mtd.

Chalcid 2 mtd. ♂♂: 1 mtd. = *D. confinis*? ♀, ant. 23.

D. aphanta 2 ♂♂, ant. both 24. *D. persimilis*, small ♂, ant. 26, small ♀, ant. 23, large ♂, ant. 26.

D. hera ♀, ant. 31. *D. cyclops*, 2 ♀♀, ant. 24 & 27. *D. lateralis* ♀, ant. 36.

D. uma 2 ♂♂, ant. 36 & 37; 1 ♀, ant. 36.

D. eros ♂, ant. 40: typical so far as I can see, but sternite virtually absent & quite smooth!

Pygostolus flavipes ♂, ant. 22+. ^{*rather damaged!*}

Chalcid *sp.* ♂: not mtd.

Chalcid 2 mtd. ♂♂: only 5 - all *Belytid*! - mounted.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

Chalcid 2 mtd. ♂♂: not mtd.

30 7. 500 cont The Brink, S. of the dyke cont.
 Taken at 11. [11 only mtd. from 4 & these
 ant. *Leptothorax acervorum* & labelled 7.1.1964.]
Cryptus only 2 mtd. = *Aptesis graniventris* ♀, ant. 19: put in coll.
 2. *Hemiteles areator* ♀, ant. 22.

Bassus tricornis 3000. not mtd.
Campoplegid 1: not mtd.
Microgaster 3: none mtd.
Chalcid 4000. 1 ♀: none mtd.

Apanteles 1: not mtd. *Acrostichus* on *Sparganium* ✓ 1
Blacus *leptocentrus* ✓ 3 ♂, ant. 21. *B. maculipes* ✓ 3 ♀, ant. 20
Episcus calidonicus sp. 17. ♀, open mouth, propodeum rather large
 ant. 34, runs in my leg to mouth, but he, slender antennae, with all segs, longer than broad.
 and sheath of lower very slender & has various smooth pit representing
 the striae. AWS! 7.1.1964.
Phaenocarpa constricta 1000. not mtd.
Aspilota 3: 2 mtd. = *A. apicalis*? ♀ in coll., ant. 19. *Orthostigma* sp. ♀, ant. 19
Exochus *areator* group 1000. none mtd.
Leptocryptus ♀, ant. 23. *D. persimilis* ♀, ant. 24.
D. (Bachy) sp. ♀, ant. 26: put in coll. near discolor!
 (belong. to ovalis group fide Griffiths in litt. of 1.2.1964.)

30 7. 500 (10) cont
 (Rocks, S.)
 1. *Chalcid* 1 } none mtd.
 2. *Cryptus* 1

31st July 1964. A fine day - no rain at all -
 with some hot sun in afternoon. Wind S.W.
 in forenoon & cool N.W. wind all day.
 Spent morning clearing up Fiddys' car, but after
 midday when we took out our car & spent 2 1/2 hours
 afternoon in the field below the hotel & along the
 bank above the river where there is good shelter.
 Sought in two areas as follows -
 1 = field from 100 yards up from hotel down to the
 Cryptus grassy bank, lower, mid. with 2.20 - 4.00 PM
 2 = From 1 down to the bank above & E. along the river nearly
 up to the old pier, or to Tye 6.30 - 6.50 PM.
 NB. I saw no beetle bees during the afternoon but heard
 one in house coming home. Took specimen of 1000 of the
 10 flower group in nearby spot at winter level of bank which
 looks like *Linum catharticum* form of *linum catharticum* Linn. but?

Richter hat mit d.

Tube no. 2. [59 mtd: 2 labelled, 54, 57 labelled 11.1.1962]

Myzomela 2. 2♀♀ only mtd. = Antenor alanicollis ♀

Cryptonid. G: one only add. = Phaeoginid or ant. 19.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Buph. flavicornis ♂ = ♀, and ♂ 27, ♀ 26.

Stenocranus recticauda. ♀, ant. 30.

Picrostigen ♂? put in coll. + brown, 3 mm, ant. 24

Mesochorus small sp. ♀, ant 25. M. larger sp. ♂, ant. 24.

57, ant. 21 =

Phrudus monilicornis ♂ ant. 19 *Polyaulon fusipes*? ^{in coll.} ♂, ant. 17

Euterinx oligomera ^{in coll.} ♀, large, ant. 19 *Dicotes pectoralis* ? ♂ ant. 29.

1.8. 4, cat. N. Loran & R. Loran, cat
 and still much *Vaccinium myrtillus* & *Capitatus*
 & abundant the former is considerably common
 of *brunneum* *maculatum* but just below and
 I can do say. Left bus at 2.20 and
 descended, having to carry rather heavy gear
 at about 2.40. & collected for about half
 an hour. Very cold, only a bit of sun. SW.
 wind & rain. I think my last visit
 to 3.30. Loran, but consider them not
 done badly for day, esp. those trees on the river
 fine day out of the last night? [See again on

the 2nd in 1958, 1962 & 1963: no diary! AWS]

2nd August 1954. Terrible rain storm just before
 dawn & end of a wet night, but cleared after
 breakfast. Later being back into sun & very
 fine & collecting & sunbathing. In afternoon with
 E. and Mr. B. on river at Skelton.

Having packed up to return home
 on Wednesday, sitting bus & was asked
 to stop in a carter's place to go by post
 on 8th.

21st August 1954. A fine day but windy, at
 Loran & Skelton. Left Loran at 10.30 am
 by bus. Had lunch at Skelton station & left
 by 1.15 for Ballantrae. Spent the day
 afternoon at Ballantrae, where just above
 a road place by which bus stops & collected
 a quarter before leaving by 5.45 train for
 Glasgow. When arrived at 7.15 & went
 straight to Ballantrae. On way to Ballantrae
 at Ballantrae (about 2.30) and saw ^{down} ~~down~~
 main stream & road to the bank of the
 River Teith & on which is several places
 between the Hydro-Path & the river a
 hollow. Ballantrae, Perthshire

(collected by sweeping along both sides & in woods
 at fork in road N. of the Hydro-Path & along
 edge of at bank of R. Teith along path back
 back along it to Ballantrae bridge & under
 over where path joins river side) (3.30-5.0 PM)

Saw no *Stomoxys* *Boerhaave* other *Aculeata*, except
 a ♀ wasp (sp.?) which joined in at tea!

2. 2. 54 cont. Gallander cont.

Cratichneumon ruficornis ♀, ant. 27. [4 labelled 7.8.54! the remainder - 52 - labelled 19.1.1964!]

C. culx ♀, ant. 25. Labelled [Gallander PS. AWS 3.8.54] PS = Perthshire!

Cryptinids 18, of which 6 only mtd. = *Phygadeuon* ♀, ant. 21.

Phygadeuon ♀ v. small ♀, ant. 18. *Hemiteles* ♀, ant. 23: front wings with long band of recurrent n. when the Braconid disc. labelled 19.1.1964!

Pezomachus ♀, ant. 20.

Atractodes ♀ small black ♂, ant. 21. *A.* ♀ red ♂, ant. 20.

Gaster ♂, ant. 21. not mtd.

Proctos ♂, ant. 26.

Chorinaeus flavipes? ant. 30, entirely red testaceous! 1 mtd.

Eucromerus analis ♀, ant. 21.

Phaenocarpa ♂, ant. 26.

Blasicampa patellana? ♀, ant. 40.

Pariscus testaceus, var. *opaculus* Thom. ♂, ant. 50.

Helictes? ♂ small ♂, ant. 19.

Plectiscus ♀ 2 ♀♀, ant. both 20.

Proclitus comestabilis? ♀, ant. 23, but torcha only about as long as, not longer than, the abdomen.

2. 2. 54 cont. Gallander cont.

Chorinaeus flavipes ♀, ant. 27.

Phygadeuon ♀, ant. 21. See?

Phygadeuon ♀, ant. 21. not mtd.

Phygadeuon ♀, ant. 47.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

Phygadeuon ♀, ant. 40.

196

3 & 4, int. Gallander, int

Aphidius: none mtd.

Proctos 27: only 2 mtd. = *Belyta forticornis* ^{in coll} Lam. brachypterus ♀.

& *Loxotropa* sp. no. 1: ♀: put into coll.

Chalcids 22 }
Staph. 4 } none mtd.

Beetles 1 = a small Staph. with red elytra.

196

Notes on Southern tip 1964

4th August 1954. Arrived at Belfast from Glasgow at 6.30 AM, George met us with car at 7 o'clock & drove us to his home at Havelock Park where we had breakfast with him & Margaret & found them very comfortably housed. We caught the 10 AM train & were in Dublin shortly before 12.30 noon & home before 1 o'clock. In afternoon planted plants brought home from Sutherland (*Arctostaphylos alpinus* & *Scilla maritima*) & started feeding the snails. On 5th Aug. finished feeding the snails. On 6th called on J.P. Bracken in evening & incidentally took 4 lbs. on the windows of his study in Grosvenor Place, St James's, Dublin. as follows: *Heautide* ^{ant. 25} H. ^{ant. 24} *Polyphincta* of *bohemani* ^{ant. 22} ^{See p. 77 for record of ♀} & *Campoplegid*: ant. 24.

7th Aug. Mr & Mrs H.W. Dalling arrived in evening from Rugby, Warwickshire, & spent evening at their hotel in Belgrave Square & brought them to 14 Clareville Road for 9.30 PM. cup of tea!

8th August 1954. Mr & Mrs Dalling (leaving at Belgrave Hotel) joined us about 2.30 PM after a fine morning & then a heavy shower - a deluge! - & I drove the party via Finnerlin Avenue, Kingsbridge, then the Ashmore Park via Lanes & Lifford, to Daisy Lock on Royal Canal at 3 1/2 miles W of Louisa Bridge, Co. Kildare. Here started down the canal via & Dalling & I spent an hour or so sweeping with Dalling & I swept for a couple of hours & filled 2 buckets as follows: 1 = Tree path, 1/2, from bank to end of Mr. Mitchell's plantation. 2 = Inside wall of Mr. Mitchell's plantation. Royal Canal, Co. KD. [In from Dublin & temporarily kept, but reported & labelled on 18.1.1955.]

Taken at 1.

P.T.D. →

8.8 5/16, ant. Royal Guard 4 D. ant.

Taken at 1. ant.

Bryonia 3

Ant. - prothorax 3/4 short, entirely, even in flower
of bristles at long, thick bridge.

Euphrasia 5. only 1 ant. =

Pyrausta sp. ♀, ant. 20.

Phylla sp. of elongate, not hind tibiae, not mtd.

Chrysomelid sp. not mtd.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Campoplegid ♂, ant. 32 = *Nepiera proxima* varken, ♂, ant. 32.

Acrochroa sp. ♀, small, ant. 22.

Bracon anthracinus, ♂, ant. 27. *B. punctum* ♀, ant. 27.

Apanteles falcatus sp.

Sp. of *spania*?? ♂

8.8 5/16, ant. Royal Guard 4 D. ant.

Thysanotus sp. ♂, ant. 35.

Opis ? : none mtd.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

D. acco. 2 ♀♀, one with shorter 25-seg. ant., the other with longer 26-seg. ant.

Chrysomelid sp. ♂, ant. 22. radius, very short & curved.

Chrysomelid sp. ♂, ant. 22. radius, very short & curved.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

Phylla sp. 1st ant. 24.

none mtd.

Recovery of instabilities α , sub 2.

Authorship of frontator? F, ant. 28.

Microgaster ^{with pale lines} *fulvipes* ^{ant. 28 =}

There will

11.8.34 cont.

Portlough, DU, cont.

Taken at 1.

Anthrenus fuscicornis - other spec.

Phaeogenes elongata 2 ♀, ant. 20.

Cryptine ♂ - not mtd.

Myrmica cf. *intabulata*, 6 small ♂, ant. 17.

Pimpla group - 1 ♂, ant. 21.

Chrysomelids cf. 1 ♂ - none mtd.

Chrysomelids 2 ♂, 2 ♀ - none mtd.

Chrysomelids geminis? 6 ♂ - none mtd.

Bracon *phaeocryptus* mtd. 1 ♂, ant. 24. *Bracon* 1 ♂ - not mtd.

B. common - 1 ♂, 1 ♀ - not mtd. *Bracon* 2 ♂, 2 ♀ - none mtd.

Sagittaria *recondita* & *flavida* 2 ♀ - none mtd.

Apanteles *congestus* 2 *Apanteles* *littoralis* mtd. 1 ♂, ant. 26.

Microplitis *capitata* 2 ♂, 2 ♀ - none mtd. *Sp.* 2; mtd. = *opacus*

Chrysomelids 1 ♂, 1 ♀ - none mtd. *Oxy* - 1 ♂, 1 ♀ - none mtd.

Chrysomelids = *A. concinna*, 2 ♂ (one very small); ant. 19 & 22.

A. maculipes 2, ant. 18. *A.* (5) of *concolor*: one small ♂, ant. 18.

Chrysomelids 1 ♂, 1 ♀ - not mtd.

Chrysomelids 1 ♂, 2 ♀ - none mtd.

11.8.34 (1) cont.

Portlough, DU, cont.

Taken at 2.

Aphidius *capitata* 2 small ♀♀

Aphidius 2 ♂

} none mtd.

Chrysomelids 1 ♂.

Chalcids ca 70 - given to Henry Graham 13/10/54.

Chrysomelids 1

Chrysomelids *littoralis* 2 large ♀♀ none mtd.

Chrysomelids 2 small ♂♂

Taken at 2.

Chrysomelids 2

Chrysomelids 2 ♂♂

Chrysomelids 2 ♂♂

Chrysomelids 2

1870

10th August 1954. A very fine day after
heavy rain at night. Warm in afternoon.
but none at Alltaron. From H.N. Bally
& Mervin Quade to Kippure House, Alltaron
upper Liffey Valley, Co. WI., arrived at 11.30 AM.

Collected in the same place as I had
at Manor Hillbridge on return journey where
there had been a storm just before our
arrival.

1 = E. edge of forestry plantation on N side of
road to Sally Gap, exactly opposite Kippure
Ho., bridge & gate - there are still some large
birch & oak trees - mostly taken off
off or under these trees.

2 = birch & scrub between the main road
& the Military Road just W. of Kippure Ho. gate.
[N.B. All that part of the former birch scrub &
scrub between road & Kippure - where I have
collected for many years - now cleared by
the Forestry Dept., enclosed & ready for
planting with *Comptonia* etc.]

12.8.54 cont. Kippure Ho., Alltaron, Co. WI.

3 = Plantation in triangle between road, at
Manor Hillbridge, Co. WI., as often before.

Scaph. *Scaph. pumila* on *Taken at 1. Kippure Ho., WI.*
Plantation & area
between road & 6

Phaeogenes abundant

Epitoma pumila 2 3

Cryptus 11

Pimpla tenebrosa group 50

Phytodietus 03

Glypta malitiosa 7

Triclistus 7 23 44

L. aff. 212 2 22 6

12.5 Sec (1), cont. Kippure Ho., Rathdown, W.D., cont.
Microlepidia 2

Promethes cognatus ♂ & *P. pulchellus* ♂

Homocidus citreopictus ? ♂

Exochus pictus ?

Chorebus ?

Stenomacrus *Parvius* & ca others, including

St. (maratche) ♀

Campoplegid 2

Pezomachus ♀, very nice!

Euclyptus 12, with 34.

Chalcid *basicornis* ♂

C. ♂ & ♀

Phaenocarpa conspurcator ♂

R. ♀

Apanteles 2 = *lateralis* ? ♀, *A. ruficornis* ? ♀

2

12.5 Sec (1), cont. Kippure Ho., Rathdown, W.D., cont.

Microplitis *pavilis* ? ♂

Pentapleura angustula ♂

A. pilosus *crassipes* ? " *A. ruficornis* ? ♂ & ♀

[*Microplitis* *graben* *trichos* ? *brunneiventris* ♂ & ♀]

Dacnusa areolaris group 12, small & 3 others

Colletes ♂

Aphidius spp. 2

Pentapleura abundant ca 25 - under

Chalcid & abundant ca 30 - under

Phaenocarpa 4

Argemone 2 = *halcon* 7/8 ? ♂ & ♀

19. E. 32, cont. Kippure Hill, Littledown, WI, cont.
Taken at 2. (trial scrub, 25).

Ants: mixed 5:1 =

Pimpla *fumata* 2♂♂ + 5 to *fulvipes*

Crucian 13

Chalcid ♀

Microplitis *trifasciata* ♂ =

Pimpla *f. schelleri* ♀. *Homocidus* *sinuatus* ♂

Stenomacrus 13

Pimpla *fulvipes* ♂ & ♀

Campoplex 3

Microgaster 1

19. E. 32(2) cont. Kippure Hill, Littledown, WI, cont.

Homocidus *sinuatus* ♂

Pimpla ♂

Microplitis ♂

Chalcid 2 =

Stenomacrus *degeneratus* ♀

Rogas 2

Apanteles *fulvipes* group 2

Microplitis ♂

Diaparsus *capitatus* ♂

Camptoplex *pallipes* ♀

Opius 2

Brachymeria *fumata* 11 = *apiculator*

Chalcid *capitata* ♀. *Microplitis* *sinuatus* ♂

Microplitis ♂

Capitata ♀

Microplitis *sinuatus* group ca. 30

2. (15) off. 12 ♀

13. E 54 (3) cont. Killybegs Hill, W.I., cont.

Phlox 3
Trifolium 1
Epilobium 1

Prunella ca 12

Chelidonium ca 15

Asplenium 2
Berula *Pedicularis quadrifida* or *var. (Graham)*

Taken at 3 *Maroon Hill, Co. WI.*
Longitudinal - 2 large, small, etc.

Epilobium 1
Epilobium 1
Epilobium 1

Prunella rostrata 2
P. alba 2

13. E 54 (3) cont. Maroon Hill, W.I., cont.

Stenactis 1
Stenactis 1

Prunella rostrata 1
Prunella 1

Stenactis 1
Stenactis 1

Asplenium 2
Asplenium 2

Prunella rostrata 1
Prunella 1

Stenactis 1
Stenactis 1

Prunella rostrata 1
Prunella 1

Stenactis 1
Stenactis 1

16th August 1930 (Sunday) A fine day, but
with heavy (thunder) showers in afternoon
- none of which came over me.

In afternoon drove (Mr J. Dr. & V. R. R. R.
to some fields, Daisy & I) to Lendington,
Co. KD, on Grand Canal, & collected there from
3.30 till 5.15 P.M. Very little out on way of
Parasitica except on margin of field S. of
plantation - none collected with exception of
the 1st. Collected in two areas -

- 1 = S margin of Canal & parallel to it
N of plantation. In soil E. of Lendington Ab.
- 2 = margin of field & edge of S. of
the above plantation.

Lendington, Co. KD.

Taken at 1.

Elm. m. m. small etc.

Cryptinids 4.

13. 8. 34. cont. Lendington, KD, cont.

Microgaster 2, small white

Phaenocarpa cognata 4

Stenomacrus pallidus 2 11 *Pipistrellus* 1

Stenomacrus pallidus 2 11

Spalangia 1 *Blacus ruficornis* 1

Opius virgatus 5 (S. 2)

Chorebus apterus 1

Adelius pumilus 2 (S. 2) very small

Pentapleura pumila 1

Aspilota 1

Dacnusa areolaris group 19

D. ligata 1 *D. aphanta* 1 *D. (D. affinis)* 2

D. (D.) villosa 2

Ephialtes 1 *Phaenocarpa* 1

Triclistus 2

Aspilota 1

15.8 54 (1) cent. Henderson, 1891, cont.

Proctos 144

Chalcids 16

Cynipid 1

Taken at 2

Chalcids 2000 2 in 2000 2000 small 4

Bethylus fuscicornis 1 2000 2000 2000

Chalcids 3000

Cryptids 2

Sample of 1000 2 2000

Chalcids 2000 2000 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000

15.8 54 (2) cent. Henderson, 1891, cont.

Chalcids 1

Chalcids 2000 2000 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 1

Chalcids 3000

Chalcids 2

Chalcids 2

Chalcids 2000

Chalcids 2

Chalcids 2000 2000 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000 2000

Chalcids 2000 2000 2000

[Chalcids 1]

15 = 54 (15) cont. London, 18 Aug 1954

Phaenocarpa *maculipes* group 100. 24. 100. 100. 100.

D. (G.) *affinis* 2

Phaenocarpa *virginica* 10

Phaenocarpa *virginica* 10

Phaenocarpa *virginica* 10

Phaenocarpa 10.

16 = 54 (15) cont. London, 18 Aug 1954

Phaenocarpa 3 - long petiole sp.

Phaenocarpa 1 =

16 & 18 August 1954. Cold & wet for most part with some rain & rain all over Ireland on 17th from SE. Spent most of time on 17th & 18th in nat. Museum with Graham & Daltrey studying the Helian collection. On 16th I fed mice in forenoon & we visited Mrs. Daisy Barton in afternoon.

19th August 1954. A fine day after a dry night.

Left with strong, cold, E. wind all day.

Brown Baiting & Graham to Gleadings, Co. WI.

of Gleadings, Co. WI. - 100. 100. 100. 100.

we found a lot of many *Phaenocarpa* &

other insects in the plantation on the Dublin

side of the London. Also found a lot of

around the pool at N. end of Gleadings on

Kildare side. But found it flooded & almost

very strong, yet got some specimens. Then

1 = N. end of plantation, Co. WI, 11.30 - 3.0 P.M.

2 = S. side of pool, Co. WI, 2.0 - 3.30 P.M.

3 = S. end of plantation, around the forestry

road 3.30 - 4.30 P.M.

Gleadings, Co. WI.

Taken at 1.

19. 8. 52 (1) cont. - Glendinning, W.H. cont.
Vespa austriaca 2♂♂ in *intercellular*. *V. vulgaris*?
Stenobothrus *scutellatus* 2. *Proctos*? 2
Trichocentrus *laevigatus* 2♂♂ + 2
Stenobothrus *laevigatus* 2
Stenobothrus *laevigatus* 2
Stenobothrus 3

Cryptus 27

Pimpla *flavipes*? 2

Pimpla *bellator* 2. *P. fl.* *black* 2♂♂ cont.

Pimpla 2

Exochus *praeator* 2

Chalcid 2 *Bracon* *bellicosus*
Pimpla *bellator* 2 *Bracon* *bellator* 2
Microgaster *fulvipes* 2
Exochus 2 [*E. bipunctatus* 2♂♂ + 2♀♀]
Orthocentrus *laevigatus* 2
Pimpla *bellator* 2♂♂, also 2♀♀
P. *fl.* 2♂♂ + 2♀♀
Stenobothrus 2♂♂

St. scutellatus 2♂♂ + 2♀♀, *black*

Exochus 2

Microgaster 2♂♂

[*Exochus* *longipes* 2♂♂ taken by *Microgaster* *fulvipes*]

Pimpla *bellator* (black) 2♂♂

19. 8. 54 (1) cont. Glendary, W.I., cont.

Proctos. 3000

Acrobactia dentata 1000

Sp. of sp.

Apanteles oblique ♂ & some others

Perilissus sp.

Colletes braconius 1000

Phygadeuon clavator ♂ (fresh wing) 1000

Pezomachus ♀

Apanteles sp. ♂ *Aspilota ruficornis* ♀

Microgaster ♀

Opius braconius ♀

O. irregularis ♂

Pentapleura parvula 300

Adelius dialysus ♀, at little off!

Aspilota ruficornis ♀ & some others

Orthostigma ♀

19. 8. 54 (1) cont. Glendary, W.I., cont.

Dacnusa areolaris - *pulchra* group. Very abundant.

D. lateralis ♂ in plant? ♂

D. (G.) affinis 200

Praon volucre 400 *Trioxys* 20

Ephedrus *lucorum* & *flavipes* & *lucorum*

Aphidius ♂

Proctos. Very abundant

Chalcids 1000

Exochus 10

Hemiteles 2 = *Batrachomorphus* *lucorum* group

Chopra on oak = *Tropidocampa rufipes*?

19. 8. 5m. cont. Glending (pond), Co. Wick.
- Taken at 2.

Cryptine 6 = *Pezomachus* *parvulus* 2 &

Ag. rufipes ? 2

Microtus of *gracilis* 3

Phygadeuon ? of 10, 14.

Diaparsa *conspicua* ? 2

Pezomachus *regalis* 2 & 1 *pubescens* 1

Homocidus *obscurus* 3

Stenomacrus of *validus* 2

Pezomachus *rufipes* ? 2. *Opius* *caesus* 1

Pentapleura *pubes* 4 & 2. *altus* *ventralis* 2

Microgaster *pubescens* 2, very typical *ventralis*

Aspilota 2. *Microgaster* *validus* 2 of 10

D. affinis 1. *D. tricolor* 2 not type

D. (G.) uliginosa 5000. *Stenomacrus* *conspicua* 2000

Chorebus 2

Ephedrus *luculentus* 2. *Aphidius* spp. 12

Proctos 2

Chalcids 2 apparently *Aspilota* *fulva* *fructus* 10 given to him

19. 8. 5m. cont. Glending (pond), Co. Wick.

Taken at 3 (5 m. of pond) 9.30. 19. 8. 24.

Diaparsa *pubes* 2 & 2

Cryptine 2

Pezomachus *regalis* ? 2. *Microtus* 1

Homocidus *regalis* 2

Stenomacrus *validus* 2 & 2

Microgaster *pubes* 2

Pentapleura *pubes* 2 & 2. *altus* *ventralis* 4

Microgaster *pubescens* 2

Aspilota 2

Stenomacrus *validus* group 3

D. (G.) affinis 25

Ephedrus *validus* 2. *Microgaster* *pubes* 4

Aphidius spp. 2

Proctos 11

Chalcids 2

Microtus 1

2nd August 1954. A fine early morning, turning
 cold about 9.30 AM, followed by heavy drizzle
 at 9.45 AM. Left after 10 AM. 11.45 AM. 12.15 PM.
 Thence broken ground about 1.15 PM. At
 we delayed going out till 2.00 PM. Then I drove
 to the house at 2.15 PM. I was very
 damp from rain, rain at 2.15 PM. At 4.15 PM.
 I was in fine condition. I was in
 though strong wind drove the rain in places.
 I was collected after lunch until 6.30 PM.
 Very like a very heavy rain. I was in prop-
 erty, but not very other. I was in.

Liver. Liver, to 20.

Agave *metasticta* or *metasticta* *metasticta* *metasticta*
 to 1.5 cm.

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta* *metasticta* *metasticta*

20.8.54, water. Liver, 20.8.54.

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

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Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

Agave *metasticta* or *metasticta*

20. 8. 54, Sat. - Lucca, 30, 1st.

Crucian fuliginosa 4

Helicoverpa 10

Lucca 20

Crucian fuliginosa 30, 1st, 1st

Crucian fuliginosa 8

Spodoptera 10

Rogosa 10

Crucian fuliginosa 10

Crucian fuliginosa 8

Crucian fuliginosa 3

Crucian fuliginosa 1

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10

Crucian fuliginosa 10

20. 8. 54, Sat. - Lucca, 30, 1st.

Crucian fuliginosa 8

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10

Crucian fuliginosa 10

Crucian fuliginosa 10

Crucian fuliginosa 10

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10

Crucian fuliginosa 10, 1st, 1st

Crucian fuliginosa 10

74

21.8.54, cont. - Slade of Saggart, D.C., cont.
Colletes haemorrhoidalis 4 or 5. *Stenobothrus* 1 or 2
Halictus rufus 1 or 2
Stenobothrus 1 or 2, *Stenobothrus* 1 or 2
Altica 1 or 2
 [Oligoneura? found in killing bottle & about
 certainly from Lough & Glendun, 19th Oct. 1954.]
Trichostema 1 or 2, *Trichostema* 1 or 2
 7 or 10 specimens of off. taken by me but none kept.

Stenobothrus 1 or 2, group very abundant
Stenobothrus 1 or 2, *Stenobothrus* 1 or 2
Stenobothrus 1 or 2
Stenobothrus 1 or 2
Stenobothrus 1 or 2
Stenobothrus 1 or 2
Stenobothrus 1 or 2
Stenobothrus 1 or 2

Chalcids 40-50, given to Graham
 Bees 2
 Hymenoptera 2

22.8.54, cont. - Slade of Saggart, D.C., cont.
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2
 Spent a hour in back garden at Slade of Saggart
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2
 Spent a hour in back garden at Slade of Saggart
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2

22.8.54 (i) - Slade of Saggart, D.C., cont.
 [1st mentioned but not killed 24/12/1962]
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2
 Spent a hour in back garden at Slade of Saggart
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2
 Spent a hour in back garden at Slade of Saggart
 7 or 8 specimens of *Stenobothrus* 1 or 2
 2 or 3 specimens of *Stenobothrus* 1 or 2

Plectiscus cf. communis, ♀, ant. 20

Calculus 2 1/2, one only intd., and 26 =

3. R. 34 (2) cont. R. 34 (2) cont.
Aspilota pulvinata S. G. 7, ab. at 1000, ant. 17.
Orthocentrus sp. ♂, ant. mtd.

Exochus areolaris group (abundant, including)
Exochus (1)

E. maculata, *E. liliata* 1 each

E. (G.) affinis 3 small ♂♂ none mtd.

Exochus 2 ♂♂

Exochus 1 ♂ only mtd. *Pentocentrus* cf. *carinatus* Thomson ♀.

× *Zygota fuscata* ♀.

Chalcids 22 ♂♂ packed up separately & given

to Graham, except one mounted which Graham needs

Centroclytus maculipennis Walker.

Syrphid 2, not mtd.

Beetles 2 ex of 1 genus =

Taken at 3 (outside plantation)

Beetles on 1000 ft. =

Diapriid 3 ♂♂

Stenomacrus 2 ♂♂, not mtd. more

1 ♀, head =

3. R. 34 (2) cont. R. 34 (2) cont.

Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

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Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

Exochus 1 ♂ only, not mtd. =

26.8.54, cont. - Sward, E. Looe, Co. DU, cont.
 Euphydryas 3: not mtd.

Bracon sp. nov. 3 ♀♀, only 1 mtd.

Apanteles sp. 1 ♂: with necrotic, black interesting

Opius aurantipes ♂, ant. 29, with faintly yellow sternal

Aphidius aphidivorus Hal. 1 ♂, 3 ♀♀: 1 ♂, 1 ♀ mtd. ant. 20 & 19.

Phaenocarpa exilis 1 ♂, ant. 21.

D. areolaris 1 ♀, ant. 21.

D. femoralis 1 ♂, 2 ♀♀: ant. ♂ 24; 2 ♀♀ 24 & 26.

Chorebus sp. 1 ♂, small & polished necrotic, ant. 28.

Aphidius exilis ♂, ant. 11.

Aphidius aff. = Aph. danci, ♂ & ♀, ant. 16 & 13.

Aph. nemoralis Hinds 1 ♂ 1 ♀, ant. ♂ 18, 1 ♀ 15.

Proctos. 5, including 3 minute and complex sp. which only mtd. =

Chalcids 25, including a few looking interesting: none mtd.

Cynipid 1, minute, wingless, not mtd. Beetle: not mtd.

Diptera 2: not mtd.

ant. 13-seg. very short & almost
 obsolete. terebra longer than whole
 body; wings clear; all black!

26.8.54, cont.

At 12 noon a lovely fresh Red Admiral butterfly was
 at the purple *Andros* in back garden of
 14 Clarendon Road, Clarendon, Co. DU.

27th Aug 1954. At 2 P.M. 2 ♂♂ & 2 ♀♀ *Andros*
pratensis seen on the lavender flowers in same
 garden, as well as a pair of *S. lucorum* &
 numerous ♂♂ of *S. agrorum*.

28th August 1954. A most pleasant day, with a
 hot sun most of the day till 4 P.M., then cloudy,
 with W. wind - light in forenoon & afternoon, but strong
 during early afternoon. Left home about 10.15 & arrived
 at the cattle station on the main road to W. at 11.15
 & left for home at 5.33 & home at 6.35.

Collected in four areas as follows:—

1. Along stream parallel to railway just S. of the cattle station
 which drains back to a spot of water today 10.15-11.15
2. Road outside railway S. of cattle point. 11.30-12.30
3. Mixed woods railway 1/2 mile S. of cattle point. 2.30-4.00 P.M.
4. Same as station 1, but late afternoon. 4.30-5.30 P.M.

Red Admiral Butterfly on roadside near Enniskerry
 & Painted Lady on *Mercurialis perennis* flower by drain at 1.

height. only 2 wtd.

24. Hamitelen f. 7, aut. 23

Angitia? sp. 2♂♂, ant. 25-26; 2♀♀, ant. 26, lat.

D. (G.) scabripes Stål 1952, ♂, det. n.

Reuter 7.13 mld. ^{with} Seelund =

Dispreis =

Exallonyx confusus Nixon, T.

28.5-34, ant. - The Muraugh, 28.1, cont.
Taken at 21 (on beach) [25 mtd. from 2, but these not labelled & till 16/12/62]

Diacanthus ruficornis ♀, ant. 25.

Hamitiles sp. ♀, ant. little off short.

Amelanus sp. ♂, ant. 30 & 21.

A. ruficornis ♂, ant. 31.

Simulium sp. ♂, ant. 21 (2), other little off.

Compsopterus small ♀ = *Angitia* sp. ♂, ant. 22.

The *Albula* sp. ♂, ant. 21.

Boreus sp. ♂, ant. 24 (2) & 27 (1).

B. fulvus sp. ♂, ant. 21, presumably the species, ant. 31.

Chelonus oculatus ♂, ant. 28.

Sigalphus sp. ♂, ant. none mtd.

Oxypoda sp. ♂, ant. 28.

Salix sp. ♂, ant. 25. *Disphidius* sp. ♂, ant. 25.

Oxypoda sp. ♂, ant. 20+, 21, 22; ♀, ant. 23.

O. platypterus ♂, ant. only 23.

Aspilota (Synaldis) sp. ♂, ant. all 15.

Aspilota (var.) sp. ♂, ant. 17, with 1st femur cubital nerve? missing (but not a *Synaldis*); ant. segs. 3 & 4 very short, + as in *clavicornis*; + head large, + ♀.

28.5-34 (2), ant. - The Muraugh 28.1, cont.

Simulium sp. ♂, ant. 21.

Simulium sp. ♂, ant. 22 & 21, also another ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21, also another ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

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Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Simulium sp. ♂, ant. 22 & 21.

Brachon of fraudator { teneral ♂
ant. 32. }

2 ♂♂ ant. 34 & 41, small & large examples
1 ♀ ant. 31. I consider all forms of fraudator group.
small ♂♂ the immature for. of fraudator. AHB, 1962.

Liparis tuberosa (Lam.) Reichenb. Hol 259.

A. sp. ? a minute dark ♂.

D. curtipalpis Nixon? Probable the sp. but tergite 1 narrow, apical seg. of palps pale.

House 2 1/2 mile S. of Five mile Point.

19 54, East ... Taken at ... [10 mtd. from 1 & these labelled 12/12/62.]

Barichneumon monilegus, var. laticornis ♂? ... Pinned!

Hebichneumon ... 2 ♂♂ spp. ant. 23 & 24

Idiolispa analis ♂, ant. 28.

Enromenus fenerator (= junior Thoms.), ♀, ant. 22.

Orthocentrus cf. petiolatus ♀, ant. 25.

Scutellonotus ... 2 ♂♂ ... not mtd.

Phaenocarpa ... 2 ♂♂ ... not mtd.

Aphidius cf. danci ♂, ant. 20.

Proctos 3 ... not mtd.

Chalcids 10 ... not mtd.

Exochus 2 ... for Haliday.

19 54, East ... Taken at ... [13 mtd. from 2 & these labelled 12/12/62.]

Enromenus ... not mtd.

Orthocentrus ... not mtd.

Phaenocarpa ... not mtd.

Scutellonotus ... not mtd.

Phaenocarpa ... not mtd.

Aphidius ... not mtd.

Proctos ... not mtd.

Chalcids ... not mtd.

Exochus ... not mtd.

for Haliday.

Stems of mononette, σ , and $\sigma\sigma$

= *O. exilis*, ♂, ant. 24; & *O. nitidulus*, m. ♀, ant. 24 (= *nigra* not *obs.*)

D. (G.) scabifrons, small ♂♂, ant. 26; tergite 2 almost smooth.

Aphaereta anomala Thomas, 1957

2nd Sept. 1954. Took a ♀ black
- front under, head in brown.
Phaenocarpa nitens
sp. in cutipennis?
4.

Opium Gum - 2 lbs., out.
21.12.11. From a very small
sample less than 1 mm. long

12. 9. 54, cont. Verelsteyn Hall, DU, cont.
Dacnusa (G.) affinis 6 small ♀♀
Mesochorus *maculipes* *maculipes* ♂♂: not mtd.
Triclistus ♂♂, ant. 3.
Dipteridius spp. 2: none mtd.

Pimpla ca 18: 3 mtd = *Pimpla* *apicicornis* ♂ (mtd. on
Triclistus 2 spp. + its track)

Chalcids ca 20: none mtd.

Cynipids 2: not mtd.

Diptera 2 =

Phaenocarpa *gemma* (Silber) (with) swept: one also seen
 - garden on 9th Sept.

13th Sept 1954 (Tuesday). A very fine morning following
 a cold day with heavy showers. Left home at 10.15 am with
 a car and a car. Left home at 10.15 am
 - arrived at Woodend, 5.45 pm. The W. at 11
 - while driving looked for *Chalcids*. I felt the
 weather change to rain forcing the car to stop & wait.
 Just N. of Woodend Ho. - another fine. The rain started
 12.15 & was heavy. Two birds were seen on a tree
 - possible of all the insects. I was very busy. I had
 the vegetation beneath the trees in the hedge. *Chalcids*
 - great abundance owing to the shelter given by the
 weather. I was between 11 am & 12.30 am. I took
 the following - the contents of the two carboys, not being
 worth separating. [63 mtd. & three labelled 5.12.1962!]

Woodend. Car W. = 14.9.54

Phaenocarpa *gemma* ♀ (likely *Phaenocarpa*! Not mtd.
Cryptine 16: mainly *Phaenocarpa* spp., but also *Chalcids* 111
Pezomachus ♀ & *Bracon* *abundans* ♀, ant. 18
 - ant. 21. Only the above 2 mtd.

14. 7. 54 (1) cont. Woodland WI, cont.

Proctos areolaris group: too abundant to list lengths
but 10-12 longicostis: none mtd.

D. leptogaster ♀, ant. 28. *D. lateralis* ♀, ant. 39.

D. una ♂, ant. 38. *D. areolaris* ♂, ant. 36. *D. timula* ♀, ant. 26.

D. (P.) affinis ← one only mtd. has sculptured tergite 2, ant. 22

D. (P.) affinis 10 ♀♀ *D. (P.) uliginosa* 1: not mtd.

Chorebus *virgatus* ♂: not mtd.

Ephedrus *areolaris* 1 ♀, not mtd.

Trioxys *curvis* Curt. 1 ♂, 1 ♀, ant. 13 & 11: ♂ probably same sp. as ♀

Orthocentrus sp. 3: not mtd.

Proctos about 400 - males: 2 mtd. =

Helictes cf. *neglecta* ♀, ant. 14, short & stout.

Phaenocarpa *calcar* Hal. ♂, cf. Nixon's "small dark form".

Chalcids about 20: none mtd.

Ichneumonids 2: not mtd.

After lunch drove back to ponding & after getting
in back to ponding & after getting
in back to ponding & after getting
in back to ponding & after getting

(=2)

14. 7. 54 (2). Ponding (see station 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 204

14.9.54 cont. - Splendid day, but not a
Pezomachus condanigra to be seen, but not
 more fully decided on it. I think of which
 one male I in *Pezomachus* & I am not probably are
Pezomachus ♀♀. No other *Pezomachus* taken!
 [No *Phyllocnistis* seen or taken!]
Proctos 15.

Colletes 6

"White" *Anthophora* & *Sphegodes* Woodcock at 18.2

15th Sept. 1954. In afternoon swept a few
 insects along lane above Pottery, but not
 before helping Daisy to pick blackberries
 but on the way very wet after night's rain
 & dew.

[only 7 mtd. & these not labelled till 2.10.1962]

Swept 4 mtd. & 1 very small ♀ *Psithyrus* sp.
Pezomachus 1 mtd. ♀ & 1 ♂ *Phyllocnistis*

this only mtd. = *Pez.* cf. *flavipes*? ♀, ant. 20.

15.9.54 cont. - Splendid day, but not a *Pezomachus* cont.

Pezomachus sp. 1 ♂, with red eyes, ant. 20.
Pezomachus sp. 1 ♂, not mtd.
Pezomachus sp. 1 ♂, not mtd.
Pezomachus *minutus* ♀, ant. 16.
Pezomachus 1 = *A. ruficornis* ♀, ant. 22, mtd. on its back!
A. minutissima 2 ♀♀, ant. both 16.
A. sp. n.? ♀, ant. 17; with deeply, very slight red tinge, chest & wings 2 mtd. mtd. ♀.
Pezomachus sp. 1 ♂, with red eyes, ant. 20, mtd. on its back!
Pezomachus sp. 1 ♂, with red eyes, ant. 20, mtd. on its back!
Pezomachus sp. 1 ♂, with red eyes, ant. 20, mtd. on its back!
Pezomachus sp. 1 ♂, with red eyes, ant. 20, mtd. on its back!
Pezomachus sp. 1 ♂, with red eyes, ant. 20, mtd. on its back!

16th Sept. 1954. A fine morning, but a strong
 W. gale & with showers, but sun came on more
 from the Greyton, the W. & S. (11.30-1.00)
 along the railway line towards Gray Horse
 where had lunch - then to the lake & back
 & on back to Gray Horse to call on Mr.
 Palmer (Bara - John & Helen & mtd. at 3.40).

11/14

12.9.54 cont. - 3 of *Berytus* (ant. 21), cont.
collected from the same place as above.
The note that possible to look the full range.

12.9.54 cont. - 11.20 - 1.30. 1954
[12 mounted & three not labelled till 2.12.1962.]

Chrysomelids - 1 of a species of *Chrysomelids* seen on
12.9.54. *Chrysomelids* seen on 12.9.54. (ant. 21)
12.9.54. *Chrysomelids* seen on 12.9.54. (ant. 21)

Phaeogenid ♂, ant. 27, long; feet were white, etc. =

Also another smaller, darker ♂, ant. 27, of same group =
Cryptorhynchus 2; neither mtd.

Chrysomelids 2; not mtd.

Stenocryptus carbonariae 3 ♂♂, ant. 20, 21, 21.

Gonotypa melanostoma, ♀, small, ant. 24.

Phytomyza ♂ = *Myiarchus* cf. *myiarchus*, ♂, ant. 33.

B. obscurator, var. *B. obscurator*, ♂, ant. 19. *Spentia circumscripta* ♀

Opis *levis* ♀, ant. 22. *Aspilota* *reflexa* ♀, ant. 20.

Exochus *exochus* group ♂ *D. myiarchus* ♀, ant. 24.

Proctos 5 none mtd.

11/15

12.9.54 cont. - 12.9.54. 11.20 - 1.30. 1954
Chrysomelids seen on 12.9.54. (ant. 21)

Chrysomelids - 1 of a species of *Chrysomelids* seen on
12.9.54. *Chrysomelids* seen on 12.9.54. (ant. 21)
12.9.54. *Chrysomelids* seen on 12.9.54. (ant. 21)

18th Sept 1954 (Saturday). A fine day with much hot
sun & gentle SW wind; a few clouds in evening.

In afternoon drove to *St. John's* in *St. John's* & swept
for a few hours in the low on N slope of *St. John's*.
Hill & in a few fields (the hill) on 18th Sept.

Very many *Proctos* swept in the low, especially off
bank & *Exochus*. [83 mtd. but not labelled until 27/11/1962.]

A few *Chrysomelids* swept, some of them of *St. John's*.
A few *Proctos* at the same time. *Proctos* (probably
all *V. vulgaris*!).

18.9.57, cont. Verschoyle Hill, DU., cont.
Bracon areolaris group abundant, mostly 3♀, including
longicauda 1♀: none mtd.
Z. dimorpha 1♀ mtd. *Z. brevis* 1♂, 2♀ in turnip field! ^{ant. 25.} ^{ant. 24 & 26.}
Z. cyclops, small ♂, ant. 26.
Z. umia, small, (♂?), ant. only 33.
Z. (G.) affinis 2♀ ^(1♀ mtd., ant. 22) *Z. (G.) longicauda* 1♂, not mtd.
Aphidius sp. 1♀
Praon abundant, about 40 to 50 = 14 mtd. =
Cryptoserphus parvulus ♀ *Meteorus celer* ♀ 2-3 Britanic specimens }
Cinctus angustatus ♂ } larger & with paler legs than ♀ recorded by me
 from Brook Cottage, Newcastle, Co. Down
Chalcids ca 30, including 1 fat little species (mtd) 1♀ & 1♂
 only 1 minute Myrmecid =
 2 1 Chalcid ♂ =
 mounted.
Cynipids 5: none mtd.
Proctos seen after breakfast in turnip field.

22.9.57 Sept. 1957. A week perfect autumn days after
 nearly stormy week previous; cool, & mainly
 sunny & sunnier now; gentle W. breeze.
 In afternoon drove (Leamington to Stratford-on-Avon)
 to Woodland, E. of Stratford & collected in the
 usual (see below) for 1 1/2 hours - 2.30 till 4.0 PM.
 Stopped on Stratford Bridge to allow 3 minutes
 to verify ♀ *umia* which proved to be the species
 - as early date for this bird. Good also seen
 on the river. I also saw reported *halictus*
 (Tipton, Tipton (only) & higher. Being second
 Yellow Warbler & 3 birds reported singing on
 collected as follows: -
 1 = W side of triangle of roads near Woodland Ho.
 2 = between road & reservoir 1/4 mile W. of station,
 where collected often in previous years.
 Very many small *Periclyptus* at 1, but only 1
 specimen taken & most *Dacnusa*-like
 specimens assumed to belong to the
Bracon areolaris group & left
 alone, likewise *Proctos* & *Chalcids* for the
 most part ignored.

22.9 54 cont. Woodend, Co. VI.
 Taken at 1. [38 mtd. but not labelled till 25.11.1962.]
Cryptus 19: 7 mtd. = *Enoleptus*? sp. ant. 27.
Hamula sp. ♂, ant. 21. *H.* sp. ♀, ant. 22.
Phygadeuon sp. ♀, ant. 19. *Pezomachus* sp. ♂, ant. 22.
Pezomachus sp. 2 small ♂♂, ant. 19 & 20.
Mesochorus sp. ♂, ant. 31. *Pezomachus* sp. ♂, ant. 22.
Homocidus *frontator*? ♂, ant. 25.
Stenomacrus *subulatus* 1 ♂, 1 ♀ in number, but many more = 22.
St. carbonaria, 1 ♂, 6 ♀♀, ant. 22(♂), ♀♀ 20(2), 21(2), 22(1).
St. curvicauda ♀, ant. 26.
St. intermedius ♀, ant. 30.
Pezomachus 1 ♂ = ♀♀, ant. ♂ 30; ♀♀ 27 & 28 =
Pezomachus ♂; not mtd.
Blacus *reflexicornis* ♂, not mtd. *Blacus* *oblongus* ♀, ant. 24.
Mesochorus sp. 2 ♂♂, 3 ♀♀ same as on 14.11.1962. not mtd.
Opius *caesus* 2: not mtd.
O. diversipes mtd., ♀, ant. 27.
Chorebus *contractus* 1 ♂, 4 ♀♀ none mtd.
Adelius *flaviventris* ♂, ant. 28.

22.9 54 (1) cont. Woodend, Co. VI. cont.
Aphidius *tenax* 2 ♀♀; small; ant. both 22.
Phaenocarpa *campanula* ♂, ant. 26.
Trioxys *subulatus* ♂.
St. tubicola ♀, ant. 20.
Pezomachus *minuticornis* 3 ♀♀ of varying sizes, ant. 15, 16 & 18.
Dacnusa *cincta* in grass, abundant, but none mtd.
D. gilvipes 1 ♂, 1 ♀. *D. areolaris* 2 ♀♀.
D. areolaris ♀ = *D. postica* ♀, ant. 28.
D. cf. areolaris ♂, ant. 32. *D. leptogaster* ♀, ant. 27.
D. areolaris ♂, ant. 39. *D. abditus* 2 ♂♂, ant. 30 & 31.
D. (D.) areolaris ♂, ant. 32. *D. (D.) areolaris* ♀, ant. 32.
D. (D.) areolaris ♀, ant. 32.
Blacus *oblongus* 2 ♂♂, 1 ♀.
Aphidius sp. 2 in number / many more.
Bracon 17.
Chalcid 7.
 Bees - *lucorum* *supplicatorum* for Dalling?

20th Sept 1956 (Wednesday). A cold day with
 some falling glass & light weather report,
 yet a big 'low' over the C. of Ireland & no rain
 fell till after 5 PM, except on the hills.
 I left home about 2.30 pm for a night walk
 up the valley, then back over
 the right bank of the Alder Brook into
 the forest, where I collected a lot of plants
 with some fungi. I also collected many
 small insects, especially from the
 plants of the last evening. I then
 went to sleep under the trees. I was
 there about 10 pm. I dropped my bag & some
 of the insects I was carrying. I was
 time to go home. I collected very much.
 The insects were very much collected in before!
 Many were on the plants & on some back
 down the slope of Toppant. I got home
 just before it started to rain.

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 The insects were very much collected in before!
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 just before it started to rain.

[95 mtd. & these not
 labelled until 20.11.1962.]

Aspilota (*Aspilota*) *atrocapitata* ♀, ant. 24.
Cratichneumon *varipes* 2♀♀, ant. both 24.
Diadromus *triglyptus* ♂, ant. 29. *Diadromus* *pallidipalpis* ♀, ant. 24.
 Not mtd.
Pezomachus *testaceus* ♀, ant. 20. *Pezomachus* *blackish* ♀, ant. 18.
Hemiteles *sp.* ♀, small, ant. 21. *Hemiteles* *sp.* minute, ca. 20, ant. 18.
Hemiteles *apertus*, minute ♂, ant. 20, & minute ♀, ant. 19.
Pezomachus *quadridens* ♀, ant. 23.
Euclyptus *longicornis* 1 (♀?), ant. 25.
Stenomacrus *undulatus* ♂, ant. 22. *Stenomacrus* *undulatus* ♀, ant. 22.
Stenomacrus *undulatus* ♂, ant. 22. *Stenomacrus* *undulatus* ♀, ant. 22.
Stenomacrus *undulatus* ♂, ant. 22. *Stenomacrus* *undulatus* ♀, ant. 22.
 of which 29 are same species! *St. merula*
 of these 29 mtd., 23 are ♂♂, ant. 25(1), 26(10), 27(8), 1 has ant. broken off short,
 and 6 are ♀♀, ant. 23(1), 24(2), 25(2); leg. color varies from all pale to all dark!
St. carbonaria, ♀, ant. 21.
Orthocentrus

Phaenocarpa cf. *apicicornis*?, ♀, ant. 24. [42 mtd. + these not labelled till 16.11.1962.]

Only mtd. = Hemiteles sp. small ♀, ant. 21

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}, \text{ det. 17}$$

A. cf. variabilis? ♀, ant 15. *A. cf. fusicornis*, but prop. + suggest ^{10 ant. 15} 14 ant. 16.

22.9.56 cont. Golden Hill, W.I., cont.

Ephedrus laccatorum ♀, ant. 11. *Ephedrus* sp. ♂, not mtd.

Praon abundant: ca. 20 = mtd. 3 only mtd. =

Zygota cf. *microtona* ♀. *Leptochaptus* cf. *flavicornis* ♂.

Praon codrus apterogynus ♂

Chalcids 9: none mtd.

[*Bombus lucorum* ♀ in garden at home Aug. 25 PM]

29th Sept. 1956. A hot day! Warm & bright, cold

but with much hot sun. Rain over evening at 9 PM.

Left home at 10.30 AM in car. Basing, I. & J. B. B. B.

I drove to the Devil's Glen, Co. Wicklow, via

Enniskerry & Ashford. Arrived at foot of the

gorge where on leave a car at 11.30. Had

lunch on first elbow of the Z road at 1.0 PM.

I afternoon tea at foot of gorge at 4.0 PM, left

for home at 4.30 & home at 5.25 PM via Enniskerry.

Collected in three areas as follows:-

1. Left bank of river by road, for 1/4 mile above where car left. 11.30 - 1.0 PM.

2. From 1st elbow of Z road back to top (ruined) lodge. 1.30 - 2.0 PM.

3. From first above ruined lodge, including marsh above &

between road & river, & at intervals back to foot of gorge. 3.40 - 4.10 PM.

29.9.56 cont. Devil's Glen, Co. WI

Edm. at 1.

Bethyla cf. *apertum* ♀: mtd. & left mtd.?

Myrmica ruginodis ♂ & ♀: mtd. & left mtd.?

Bombus lucorum ♂: mtd. & left mtd.?

Schneuwed ♀, ant. 25.

Phygadeuon 2 ♂♂ = *Dicaelotus longicauda*, 24 & 25, ant. 24 & 25.

Euphranta 1 ♂, 1 ♀ = *Microgaster* sp. cf. *longicauda* ♀ (mtd. & left mtd.?)

Henitella cf. *ligonatus* (Forsk.)? ♀, ant. 22, broad wings, mainly with longish & 3rd ant.

Phygadeuon? sp. ♀, ant. 18. ♂th? of small ♀, ant. 19.

Phygadeuon ♀ (1st *leptocarpa*), small, ant. only 21 =

" ♂, ant. 22 =

Pezomachus sp. minute ♀, ant. 18.

Leptocarpa elegans ♀, ant. 23.

C. quadridentata, small ♀, ant. 24. *Pimpla picticornis* ♀, ant. 25.

Polyblastus persentatorius? ♀, ant. 22 & 21.

Lageretia cf. *debilis* (Forsk.), entirely black ♀, ant. 22.

P. h. debilis ♂, ant. 25, winging young, ant. 41.

Exochus longicornis ♀, ant. 23, var. with red thorax!

Orthocentrus cf. *apertum* ♂, damaged when labelling! DWS.

Stenomacrus cf. *tricolor*: only 5000 + 1 ♂ } *St. carbonaria* { ♂, ant. 20, ♀, ant. 20 }

Orthocentrus cf. *corrugatus*? ♂, ant. 26.

29 9. 50 cont. Devil's Glen, W.I., cont.

Taken at 1, cont:

Promethes cognatus, 10, not mtd.

Camptoplegid, 2 - *Angitia* cf. *scutellata* ♀, ant. 28

& *Angitia* sp. ♀, ant. 25, credit almost doubt!

Microctonus 3♀♀ of 2 spp., ant. 34, 39 (small), & 39 (larger sp.)

=

Chalcids 10: 7 mtd. = 2 *Pentastemon* cf. *communis*, small ♀, ant. 19.

Apanteles 3♂♂, ant. 19, 20 & 22 (3 spp.) *Syrphid* cf. *caerulescens*? ♂, ant. 20.

Helictes? sp. 2♂♂, ant. 21-22: same as taken at 2.

Colastes 4 mtd. ♀, ant. 27, small example!

G. bracon sp.: 1 large & 1 small ♀: not mtd.

Blacus *pygmaeus* ♀, ant. 17. [2 sp. sp. in the same (larger like this ♀ with more curved spiracles, smaller with less curved & spiracles straight, larger)]

Microctonus thoracicus ♀, ant. 48.

AWS Nov. 1962.

Dacnusa areolaris ♀, ant. 22.

Opus *caninus* ♀, ant. 34.

Stenomacrus *constrictus* or *orthostigma* sp. ♀, ant. 21.

Aspilota sp. 7 = *no dimple*! *A. fuscicornis* ♀, ant. 16. *A. minor* sp. ♂, ant. 19. *W. dimple* *A. cf. minor* ♀, ant. 19, also 2♂♂, ant. 23 & 24 of same species. (Perhaps all *tibialis* mtd!)

A. divisa S. & F. 2♀♀, ant. 21 & 22.

29 9. 50 (1) cont. Devil's Glen, W.I., cont.

Microctonus *caerulescens* group: only 10 & no other sp.!

Microctonus *caerulescens* 1 small ♀ & 1 other *aphidius*!!

Praon sp.

Chalcids 10

Chalcids 2, one ♀ mtd. to a *Chalcid* sp. from 2, 1 mtd.

Aspilota 2 small - too young for mtd.

Microctonus *caerulescens* *laevigatus* mtd. from 2.

Taken at 2. After lunch 1.30 till 3.0 P.M. [64 mtd but not labelled until 8.11.1962 AWS.]

Chalcids *caerulescens* mtd ♀, ant. 28. *Microctonus*?

Microctonus sp. 4♀♀, ant. 27, 27, 28, 28; 1♂? same species, ant. 27.

Diadromus troglodytes ♀, ant. 28.

Chalcids 1, 16: small *Pezomachus* *Hamphill*, 20: 2 *Chalcids* *Chalcids*

Leptocryptus sp. ♂: Body Id. = *Pezomachus* sp. ♀, ant. 21. (Hairs black, thorax & legs black, antennae ant. segs 3, 4, 5 all long.)

Hamphill *caerulescens* ♀, ant. 25. *Hamphill* cf. *pubescens* ♀, ant. 21.

Leptocryptus claviger ♀, ant. 26. *Lept.* sp. ♂, ant. 23.

29.9.54 (2) cont - Beret's Glen, W.I., cont

Chloroceryle flavipes 1, ant. 28.

Homocidus sp. *perforator* (10?) ant. 21.

Promethes sulcator ♀, ant. 25: abd. very dark!

Stenomacrus *reductus* sp. 12 (100%) 21.

St. sublineatus = 300% *St. sublineatus* 2 ♀♀

St. cf. sublineatus 200% *St. cf. sublineatus* 21, 2 ♀♀, ant. 21.
St. cf. affinis, small ♀, ant. 21.

Orthocentrus sarnicus ♀, ant. 24.

Chrysobothris sp. = *argentea* sp. ♀, ant. 30.

Microgaster sp. 2 = m. ♀, black thorax, ant. 33.

2 m. ♀, redish thorax, ant. 4 (broken).

Pimpla sp. 4 ♂♂, ant. 31, 32, 33, 34, sculpture of mesopleura variable, 1 ♀ ant. 29.

=

Pimpla sp. 13: *Apanteles* sp. 2 ♂♂ + 1 ♂, ant. 22.

Apanteles sp. 2 ♂, long ant. 21. *Ap.* sp. 2 ♀♀, ant. 19, 21.

Helictes sp. 5 ♂♂, ant. 21(2), 22(2), 23(1), with seg. 3 with semi division.
A then 5 ♂♂ or I can see no trace of an excision on seg. 3.

Also 3 ♀♀, ant. all 21, with seg. 3 long & slender, but very short, but not hidden.

29.9.54 (2) cont - Beret's Glen, W.I., cont

Chalcid sp. *truncatus* small ♂, 1 ♀, ant. 22.

Chalcid sp. 2 ♂♂ = *Bracon* sp. ant. 20.

Chalcid sp. *semilis* ant. 2, ant. 16, tergite 1 longitudinally striate!

Chalcid sp. *truncatus* 2 ♂♂, ant. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Chalcid sp. *truncatus* 2 ♀♀, ant. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Phaenocarpa sp. *fulvipes* 2 very small, dark, 2 ♀♀, ant. both 23.

Chalcid sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

= *Chalcid* sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

Will *Chalcid* sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

Chalcid sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

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Chalcid sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

in *P. truncatus* with bright
angular small
AUS

Chalcid sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

Chalcid sp. *truncatus* 16, but no other *Chalcid* sp. 100% mounted.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

6/ C. repulata mitch., ♂, ant. 23; ♀, ant. 20. Large & splendid specimens.

191
 29. 7. 54. cont. Devil Glen, WI, cont.
A. fuscescens Hal. 2 ♂♂, ant. 18, 2 ♀♀, ant. 16; all small! *A. cf. imitator*? a minute ♂ & ♀, ant. 17 & 15.
 With dimples! *A. dentifemur* ♀, ant. 19. *A. sp.*? ♀, ant. 19, 2 posterior ocelli missing!
A. cf. ruficornis ♂, ant. 22. *A. sp.* 1 ♂, ant. 21, 3 ♀♀, ant. 18, 19, 20, stout femora, smooth prop.
A. sp. 2 ♀♀, ant. 20-21, slender femora. *A. sp.*? ♀, ant. 17. *A. sp.*? ♂, ant. 24, red legs!
A. sp. small, pale, ♂, ant. 22, 2 ♀♀, ant. both 17. *A. nigrescens* ♂, ant. 19, small.
 Doubtful dimple *A. sp.*? ♀, ant. 20; damaged!

A. areolaris group = 40 mtd. only one mtd.
 = *D. (A.) areolaris* ♀, ant. 20. var. ? with dark legs.

P. lateralis ♀, ant. 35.
Picoles 20-30-40: only 5 mounted = "microp. ruber" Hal. 1

Acropictus cf. flaviventris Thoms. ♂. *Leptorhynchus monilicornis* ♂.
Exallonyx cf. confusus Nixon 1 ♂, 1 ♀.

Chalcids 22. none mtd.
Graphids 2.

30th Sept. 1954. After a hot night weather turned warm but not very sunny in afternoon. Went to Devil Glen. Found the yellow *Viola* in flower in the E. of the house. Found a small pool & also a lot of *Bombus agrorum*. The bees were busy up the grass for the winter. Did not collect any insects.

Oct 1954. Very warm & with much sun. Spent day in garden in finding the insects. Found a small ich. on my hand in last garden, then a *Heptamelus* sp. ♀, ant. 17, in under house & in a small *Sp. (ant. 21)* *Emphidictya* sp. ♂, ant. 21. 1st ant. too small. Saw some grasshopper recently brought home from the Devil Glen. (See 20th Sept. p. 124).

2nd Oct. 1954. Equally warm but with strong wind in afternoon. From 5W. Saturday. George & Margaret arrived at 12.30 noon to spend the week end & in afternoon to drive me all to Kippure House, Athdown Co. WH, where I collected for an hour where the road on right bank of the Athdown Brook (as on 20th Sept. p. 124) & also on left bank 1/2 mile above road. (This station = 1952).

Athdown Brook, Co. WH, ca. 1,000 feet.
 Taken at 1. [20 mtd, but these not labelled until 30.10.1954 (1955)]
Cryptinae 7. *Tulpa gazellae* ♂ & *Heptamelus* sp. ant. 52.
Heptamelus sp. ♀, ant. 21.
Heptamelus? sp. ♀, ant. 25.

Microgaster 1 ♂ = *Lugaster semiligatus* ♂, ant. 46.

2.10.54 (1) cont. Oldham Brook, W. cont.

Eucnemis burnicani? ♂, ant. 28.

Leptocryptus marginatus 1 ♂, ant. 23.

Stenomacrus var. *tricolor* 1 ♂, 2 ♀♀ *St. ruficornis*? 1 ♂

St. parvius ♂ & 3 others = *St. maculatus* ♂, ant. 26, ♀, ant. 23.

St. carbonaria ♂, ant. 21.

Acrobleptus dentifer ♀, ant. 24.

Pezomachus ♀ } long tail =
ant. 28

Phaenocarpa 3 = *Pecticus* ♀ ♂, ant. 21.

Plectiscus ♀, ant. 21

2 *Eusterinus* cf. *oligomeres* ♀, ant. 18.

Opius cf. *longicornis* n. sp. (non Thomson!), a minute ♂, ant. 25, pal. stigma }
+ small propodeum. }

Pentapleura angustula ♂, ant. ntd. *Elanus contractus* ♂, ant. ntd.

Aspilota sp. 2: sent to Graham.

Dacnusa areolaris group: only 1, including *pudens* etc.,

dentifer ♀, 1 *trifasciata* ♂, 1 *trifasciata* ♂. None ntd.

D. (G.) affinis 1 ♂, 6 ♀♀: 2 sent to Graham, 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀. None ntd.

Stenomacrus conjugens ♀, not ntd.

2.10.54 (1) cont. Oldham Brook, W. cont.

Pezomachus 15: 2 ^{NO!} *Didapnoides* only, ntd. =

Chalcid ♂, none ntd.

Taken at 2 [2% minute, but these not labelled until 20.10.1955]

Leptocryptus cf. *gracilentus*, ♂, ant. 36.

Epitetraneura cf. *parvum* ♂, 2 ♀♀, none ntd.

Phaenocarpa ♂, ant. 27. Sp.?

Cryptinid ♀, including *Stelidota*, *Hemiteles*, *Stenomacrus* etc.

only 3 ntd. = *Hemiteles* cf. *apertus* 2 minute ♀, ant. 19, with small dark wings.

Pezomachus ♀, small, ant. 19.

P. cf. *implans*, ♂, ant. 21.

Callitula *macropygus*, ♀, ant. 29.

Stenomacrus *ventralis* 10 of which 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀. None ntd.

St. cf. *maculatus*, 2 ♂♂, ant. both 21.

St. cf. ? 1 ♂, 1 ♀, but ant. short, 1 ♂, 1 ♀, ant. 36.

St. cf. ? ♀, ant. 23, long ant. seg. 3.

Picrostigenus cf. *ucticanda*, ♂, ant. 28.

142

2.10.54 (2) cont. All down south, W.I., cont.

P. laticornis 3 = *P. laticornis* sp. 3♀♀, ant. 20 & 21.

Helictes? sp. ♂, ant. 23, no segments, very small!

C. laticornis *P. laticornis* ♀

P. laticornis *infirmus* ♂, ant. both 36.

P. laticornis ♂, ant. 24.

P. laticornis ♂, ant. 24.

P. laticornis ♂, ant. 24.

P. laticornis ♂, ant. 24. not mtd. *D. gilvipes* ♂, ant. 28.

P. laticornis ♂, ant. 24.

P. laticornis ♂, ant. 24.

Aphidius sp. small, dark ♀, ant. 16.

A. sp. ♂, ant. 17, tergite broad, testaceous.

Phaenocarpa ♂ & *Diephriids* only, mtd. 1♀ *brachypterus* ♂.

Chalcids ♂. none mtd.

Chalcids ♂. none mtd.

